

1 Q. Please refer to the last paragraph on page 30 of the Upgrade Transmission Line
2 Corridor Report. It is stated that BC4 was problematic with voltage collapse with the
3 Labrador Island Link in monopolar operation. Please explain whether the
4 monopolar link was modelled with just the ac harmonic filters and reactive power
5 banks of one pole, or if the banks for the pole out of service were also considered
6 and used, if relevant, for reactive power support.

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9 A. In Base Case 4 (BC4), with the Labrador-Island Link in monopolar operation, the link
10 was modelled with ac harmonic and reactive power banks for both poles in service
11 for reactive power support during the analysis. It should be noted that BC4 is
12 considered a single contingency event (N-1) with further contingency analysis
13 modelling N-1-1 events. Hydro plans the transmission system in Newfoundland and
14 Labrador for single contingency outages of equipment only and does not consider
15 N-1-1 contingency events for planning purposes.